



2015 BACTERIOLOGICAL SAMPLING SCHEDULE SCHEDULE A (Community A to K)

JANUARY

S	M	T	W	T	F	S
				H	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	H	20	21	22	23	24
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FEBRUARY

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MARCH

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APRIL

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MAY

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JUNE

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JULY

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AUGUST

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SEPTEMBER

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OCTOBER

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NOVEMBER

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22	23	24	25	H	27	28
29	30					

DECEMBER

S	M	T	W	T	F	S
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13	14	15	16	17	18	19
20	21	22	23	24	H	26
27	28	29	30	31		

☐ - Recommended Sampling Dates

☒ - Holiday, State Laboratories Closed

NOTE: For compliance with the safe drinking water act, samples must be collected during the calendar month. If, for example, your laboratory schedule falls in the first week of the month and you are unable to collect a sample that week, collect the sample later in the month. If your laboratory schedule falls in the last week of the month and you are unable to collect a sample that week, collect the sample earlier in the month.

All public water systems are required to collect monthly routine samples from the distribution system according to a written sample siting plan. Sample locations must be representative of the water throughout the distribution system. **Monthly routine samples should not be taken at the well.** Ground water systems may be instructed to sample at the well(s) if a routine sample is total coliform-positive and 4-log virus inactivation is not provided.



2015 BACTERIOLOGICAL SAMPLING SCHEDULE SCHEDULE B (Community L to Z)

JANUARY

S	M	T	W	T	F	S
				H	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	H	20	21	22	23	24
25	26	27	28	29	30	31

FEBRUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
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15	H	17	18	19	20	21
22	23	24	25	26	27	28

MARCH

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

APRIL

S	M	T	W	T	F	S
			1	2	3	4
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

MAY

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17	18	19	20	21	22	23
24	H	26	27	28	29	30
31						

JUNE

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7	8	9	10	11	12	13
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28	29	30				

JULY

S	M	T	W	T	F	S
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19	20	21	22	23	24	25
26	27	28	29	30	31	

AUGUST

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SEPTEMBER

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27	28	29	30			

OCTOBER

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4	5	6	7	8	9	10
11	H	13	14	15	16	17
18	19	20	21	22	23	24
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NOVEMBER

S	M	T	W	T	F	S
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29	30					

DECEMBER

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13	14	15	16	17	18	19
20	21	22	23	24	H	26
27	28	29	30	31		

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2015 BACTERIOLOGICAL SAMPLING SCHEDULE SCHEDULE 1 (Non-Community A to H)

JANUARY

S	M	T	W	T	F	S
				H	2	3
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17	18	H	20	21	22	23
24	25	26	27	28	29	30
31						

FEBRUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	H	13	14
15	H	17	18	19	20	21
22	23	24	25	26	27	28

MARCH

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

APRIL

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

MAY

S	M	T	W	T	F	S
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3	4	5	6	7	H	9
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17	18	19	20	21	22	23
24	H	26	27	28	29	30
31						

JUNE

S	M	T	W	T	F	S
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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

JULY

S	M	T	W	T	F	S
			1	2	H	4
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19	20	21	22	23	24	25
26	27	28	29	30	31	

AUGUST

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23	24	25	26	27	28	29
30	31					

SEPTEMBER

S	M	T	W	T	F	S
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6	H	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

OCTOBER

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	H	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

NOVEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	H	12	13	14
15	16	17	18	19	20	21
22	23	24	25	H	27	28
29	30					

DECEMBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	H	26
27	28	29	30	31		

 - **Recommended Sampling Dates**

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2015 BACTERIOLOGICAL SAMPLING SCHEDULE SCHEDULE 2 (Non-Community I to P)

JANUARY

S	M	T	W	T	F	S
				H	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	H	20	21	22	23	24
25	26	27	28	29	30	31

FEBRUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	H	13	14
15	H	17	18	19	20	21
22	23	24	25	26	27	28

MARCH

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

APRIL

S	M	T	W	T	F	S
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19	20	21	22	23	24	25
26	27	28	29	30		

MAY

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3	4	5	6	7	H	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	H	26	27	28	29	30
31						

JUNE

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

JULY

S	M	T	W	T	F	S
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5	6	7	8	9	10	11
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19	20	21	22	23	24	25
26	27	28	29	30	31	

AUGUST

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2	3	4	5	6	7	8
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23	24	25	26	27	28	29
30	31					

SEPTEMBER

S	M	T	W	T	F	S
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20	21	22	23	24	25	26
27	28	29	30			

OCTOBER

S	M	T	W	T	F	S
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4	5	6	7	8	9	10
11	H	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

NOVEMBER

S	M	T	W	T	F	S
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22	23	24	25	H	27	28
29	30					

DECEMBER

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20	21	22	23	24	H	26
27	28	29	30	31		

 - **Recommended Sampling Dates**

H - **Holiday, State Laboratories Closed**

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2015 BACTERIOLOGICAL SAMPLING SCHEDULE SCHEDULE 3 (Non-Community Q to Z)

JANUARY

S	M	T	W	T	F	S
				H	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	H	20	21	22	23	24
25	26	27	28	29	30	31

FEBRUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	H	13	14
15	H	17	18	19	20	21
22	23	24	25	26	27	28

MARCH

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APRIL

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MAY

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24	H	26	27	28	29	30
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JUNE

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JULY

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AUGUST

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SEPTEMBER

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OCTOBER

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4	5	6	7	8	9	10
11	H	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

NOVEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	H	12	13	14
15	16	17	18	19	20	21
22	23	24	25	H	27	28
29	30					

DECEMBER

S	M	T	W	T	F	S
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13	14	15	16	17	18	19
20	21	22	23	24	H	26
27	28	29	30	31		

 - **Recommended Sampling Dates**

H - **Holiday, State Laboratories Closed**

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SAMPLE COLLECTION TECHNIQUES FOR BACTERIOLOGICAL ANALYSIS

Sample Containers:

Sample bottles from the Public Health Laboratories contain a chlorine neutralizer that is present in liquid or crystalline form. They are sterile and ready for use when shipped. **Do not rinse contents from the container and keep bottle closed until it is to be filled.**

Sample Collection Procedures:

- 1. Assemble all of the sampling supplies before you begin and wash your hands thoroughly before handling supplies.**
- 2. Go to the sampling location(s) specified in the sampling plan.** The sample should be taken from a clean smooth-nosed cold water faucet if possible. **Avoid drinking fountains, leaky faucets, and frost-proof yard hydrants since it is impractical to sterilize them.**
- 3. Remove any aerators, strainers or hoses that are present,** as they may harbor bacteria.
- 4. Open the cold water tap for about 3 minutes (and flush hot water if a mixing faucet is used) before collecting the sample.** This should adequately clear the water line.
- 5. Flame-sterilize the tap and/or chemically disinfect the tap. Do not flame-sterilize if tap is plastic or if aerators are attached.** Disinfect tap by thoroughly rinsing both the inside and outside of the tap with a mixture of 50% bleach and 50% tap water. Take extreme care with strong bleach (oxidizing) solutions.
- 6. Flush the tap for an additional 3 minutes with cold water and then reduce to a gentle flow to about the width of a pencil.** Do not change the water flow once you have started sampling. It could dislodge microbial growth.
- 7. Grasp cap along top edge and remove carefully.** Hold the bottle in one hand and the cap in the other. **Do not lay the cap down or put it in a pocket.** Also, hold the bottle so that water entering the bottle will not come in contact with your hands. *Take care not to contaminate the sterile bottle or inside of the cap with your fingers or permit the faucet to touch the inside of the bottle.*
- 8. Fill bottle to just above the 100 ml line** so that the meniscus (water level in the center of the bottle) is above the 100 ml fill line. Samples will not be tested if there is less than 100 ml of water in the bottle. Also, samples will not be tested if there is less than ½ inch air space in the bottle, so do NOT overfill. Then screw the cap down on the bottle firmly.
- 9. Complete the bacteriological water analysis card** with all necessary collection information. *Be certain the date, time, PWS name and PWS ID number are correct and the Bottle Number on the water analysis card matches the Bottle Number on the bottle.*

Shipping instructions:

Place the completed water analysis card inside the box along with the sample bottle and seal the box with the mailing label provided. To be certain samples reach the **Department of Health and Senior Services - State Public Health Laboratory** within 30 hours of collection, it is important to collect your samples that morning and have them dropped off at the contract courier pickup point by 10:30 am. Courier pick up locations can be found at www.dnr.mo.gov/env/wpp/pdwb/courier-list.pdf **Contact the Public Drinking Water Branch for more information at (573) 751-5331.** If you intend to mail samples, ask your local post office if Priority Mail would be faster than First Class Mail. If you use a private laboratory, follow its shipping procedures.

A. Sometimes despite taking all the precautions, you may receive a call from us or results by mail notifying you that total coliform or *E. coli* bacteria is present in your water. You will then be given specific instructions that will include the collection of repeat samples. If you have a ground water system, you may be directed to collect samples from the well(s) before treatment.

B. For public water systems collecting 4 routine samples or less per month, whenever a routine sample is total coliform-positive, systems are required to collect 5 routine samples the following month. A maximum contaminant level violation (MCL) is issued to a facility when two or more monthly bacteriological samples (5% in larger systems) are present for coliform and/or *E. coli* bacteria. Please call the Regional Office staff and they will discuss the procedure with you.

Sample results are available on-line within 4 or 5 days at the following link: <http://dnr.mo.gov/DWW/>

Additional sample bottles can be reordered on-line at the following link: <http://dnr.mo.gov/env/wpp/labs/water-analysis.htm>

Military time versus 12 hour

<u>24-hour clock</u>	<u>12-hour clock</u>
00:00	12:00 a.m. 12 midnight (start of day)
01:00	1:00 a.m.
02:00	2:00 a.m.
03:00	3:00 a.m.
04:00	4:00 a.m.
05:00	5:00 a.m.
06:00	6:00 a.m.
07:00	7:00 a.m.
08:00	8:00 a.m.
09:00	9:00 a.m.
10:00	10:00 a.m.
11:00	11:00 a.m.
12:00	12:00 p.m. 12 noon
13:00	1:00 p.m.
14:00	2:00 p.m.
15:00	3:00 p.m.
16:00	4:00 p.m.
17:00	5:00 p.m.
18:00	6:00 p.m.
19:00	7:00 p.m.
20:00	8:00 p.m.
21:00	9:00 p.m.
22:00	10:00 p.m.
23:00	11:00 p.m.